

## NCDOT Prioritization 3.0 Project Summary

**SPOT ID: H129024**

**Mode:** Highway

**Status:** Submitted

**NC-54 (NC 54)**

**From/Cross Street:** NC 100 (Maple Avenue)

**Specific Improvement Type:** 1 - Widen Existing Roadway

**To:** US 70 (Church Street)

**Project Category:** Regional Impact

**Length: 2.16**

**TIP#: U-2907**

**Fully Funded in Draft STIP? No**

**Cost to NCDOT: \$40,825,000**

**Description:**

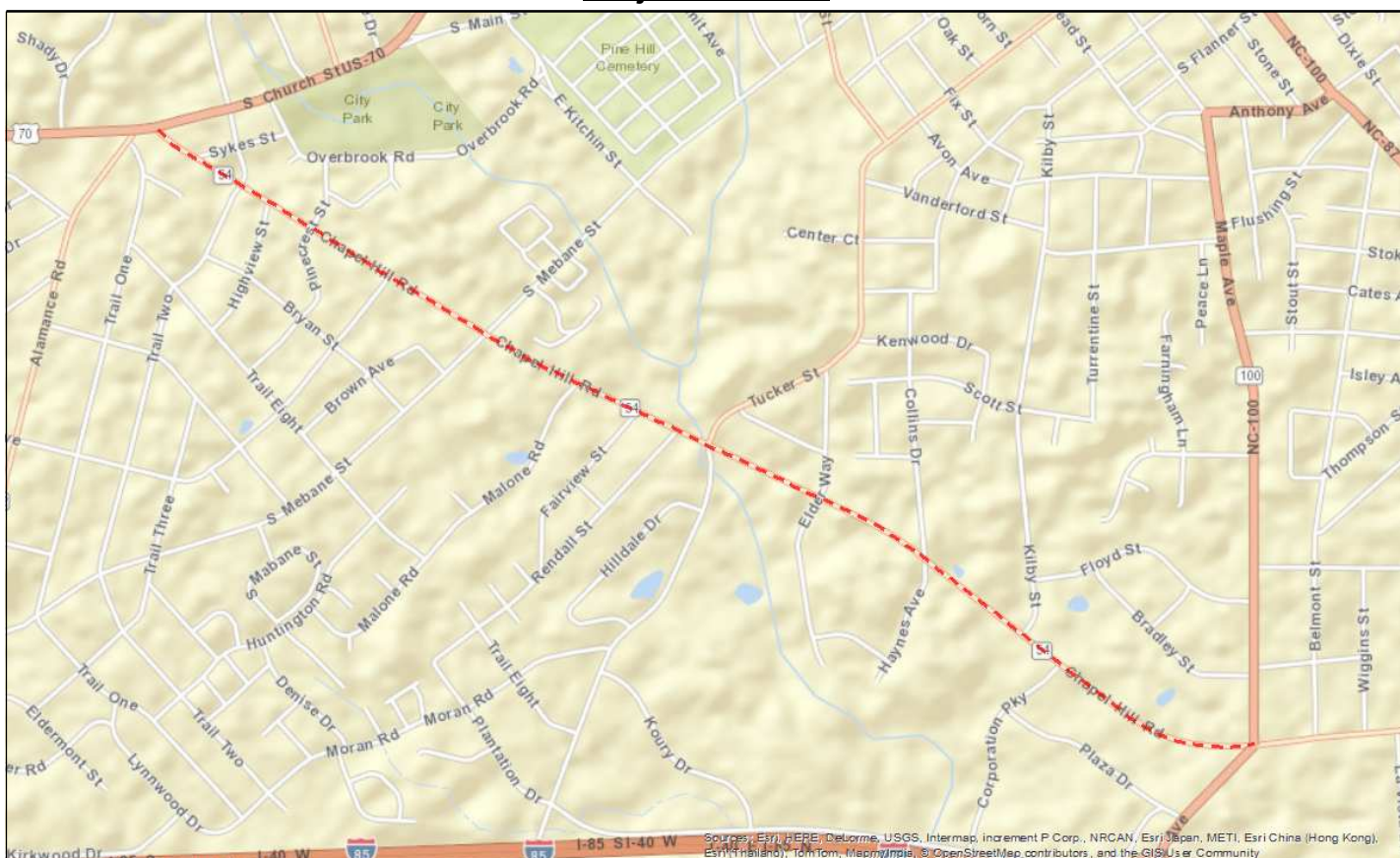
## Widen to Multi-Lanes

**Division(s):** Division 7

**County(s):** ALAMANCE

**MPOS(s)/RPO(s): Burlington Graham MPO**

## Project Location



**Statewide Mobility Total Score: 0**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
<b>Totals: Weight: 0% Weighted Score: 0</b>	N/A	N/A

**Regional Impact Total Score: 49.03**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 40.05	Percent: 15% Points: 100	Percent: 15% Points: 100
Safety (10%) 82.81		
[Travel Time] Benefit/Cost (25%) 0.42		
Accessibility / Connectivity (10%) 6.36		
<b>Totals: Weight: 70% Weighted Score: 19.03</b>		

**Division Needs Total Score: 16.37**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 40.05	Percent: 25% Points: 0	Percent: 25% Points: 0
Safety (10%) 82.81		
[Travel Time] Benefit/Cost (20%) 0.42		
<b>Totals: Weight: 50% Weighted Score: 16.37</b>		

**Project Data \*****Existing Conditions**

Existing Cross-Section:	
Speed Limit:	35
Length (miles):	2.16
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	9540.55
Capacity:	15800
Volume/Capacity Ratio:	0.6
% Autos:	97%
% Trucks:	3%
Truck Volume:	253.42
Crash Density:	99.82
Crash Severity:	66.55
Critical Crash Rate:	82.08
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	18
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	69
Actual Congested Speed:	31.23
Travel Time Index:	1.12

**Project Benefits**

Project Cross-Section:	4C - 4 Lane Divided (23' Raised Median) with Curb & Gutter, Wide Outside Lanes, and Sidewalks
Speed Limit:	35
Length (miles):	2.16
Facility Type:	Arterial
Access Control:	Partial
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	764995.66
Travel Time Savings for 30 Years (Autos):	744675.35
Travel Time Savings for 30 Years (Trucks):	20320.31
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 7

\* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

**Project Ownership****Division**

<b>Division</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Division 7	100%	100	0
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>100</b>	<b>0</b>

**MPO/RPO**

<b>MPO/RPO</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Burlington Graham MPO	100%	100	0
	0%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>100</b>	<b>0</b>

**Project Cost and Source**

Construction Cost:	\$12,400,000	TIP Unit
Right-of-Way Cost:	\$28,425,000	TIP Unit
Utilities Cost:	\$0	TIP Unit
Total Project Cost:	\$40,825,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$40,825,000</b>	